



Commander-in-Chief for the 21st Century

Advanced Concept Technology Demonstration

CINC 21 ACTD

“...creation of information superiority is not an end in itself...
We have a competitive advantage only when it is effectively
translated into superior knowledge and decisions.”

Joint Vision 2020

CINC 21 ACTD Overview

Management

– Technical.....	ONR & AITS-JPO	Dr. Susan Hearold
– Operational.....	PACOM	Mr. Randy Cieslak
– Implementation.....	SSC San Diego	Mr. Tom Tiernan
– Transition.....	SPAWAR	Mr. John Quintana

Charter

Provide a highly visual, dynamically updated capability to understand the CINC's Theater situation, plans, and execution status during multiple, simultaneous crises involving joint, coalition, and humanitarian agencies . . . based on shared knowledge and collaboration across secure and optimized networks.

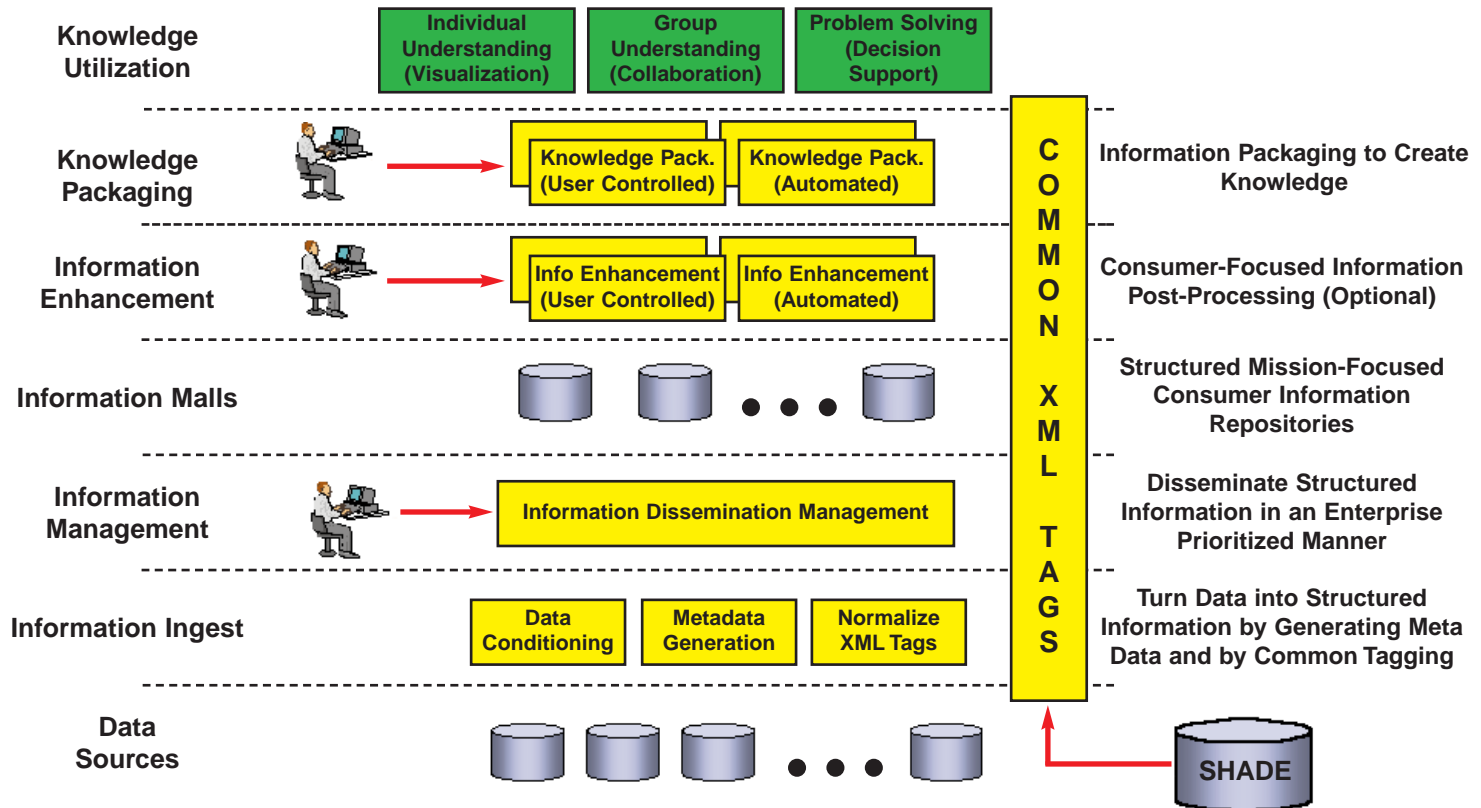
Program Phases (Approximately \$60M; 5-year program)

- FY00-02 Technical Development & Demonstrations
- FY03-04 Residuals & Transition

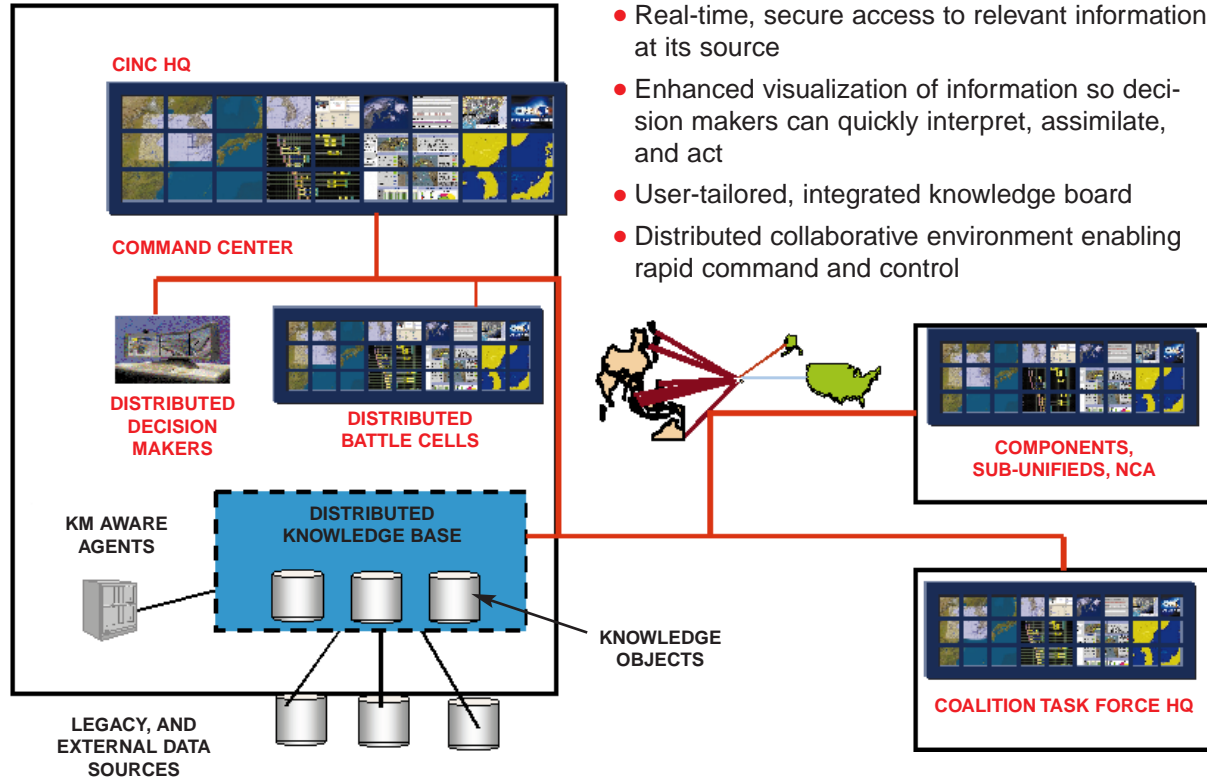
Targeted Acquisition Programs

- GCCS, GCCS-M (5.X), NMCI, JCC(X), PACOM HQ21, STRATCOM SCCMP, and others to be determined

Integrated Concept



Operational Concept



- Real-time, secure access to relevant information at its source
- Enhanced visualization of information so decision makers can quickly interpret, assimilate, and act
- User-tailored, integrated knowledge board
- Distributed collaborative environment enabling rapid command and control

CINC 21 Goals/Objectives

- **Operational Goal: Increase the Quality and Speed of US/Coalition Command Decision Making During Multiple Simultaneous Crises**

- Unity of Effort
- Speed of Command
- Synchronization of Forces

- **Technical Objectives:**

Decision Support

Field Advanced Decision Support Applications w/ Enhanced Visual Products

Visualization

Exploit High Resolution Displays with New Visualization Techniques

Knowledge Management

Develop a Theater-Wide Structured Knowledge Management Environment

Collaboration

Extend and Enhance Collaboration Services Across the Theater

Security with Access

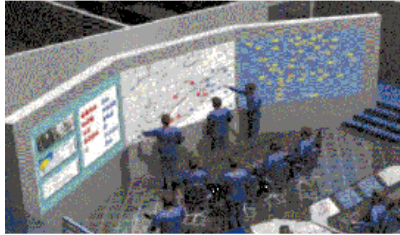
Provide Access Across Network Enclaves without Compromising Security (VPNs, PKI, Smart Cards)

Information Flow Mgt.

Manage Information Flows Across Theater Networks Based Upon Operational Priorities

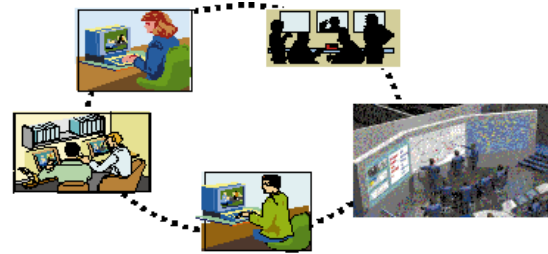
CINC 21 Technical Thrusts

Decision-Focused Visualization



**“Understanding
at a glance”**

Distributed Collaboration

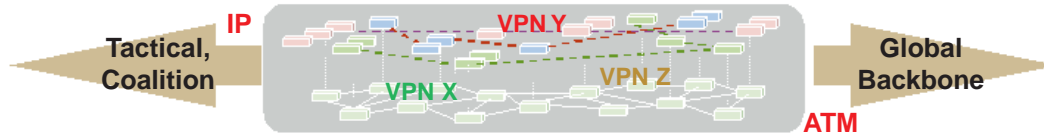


**“Anytime,
anywhere”**

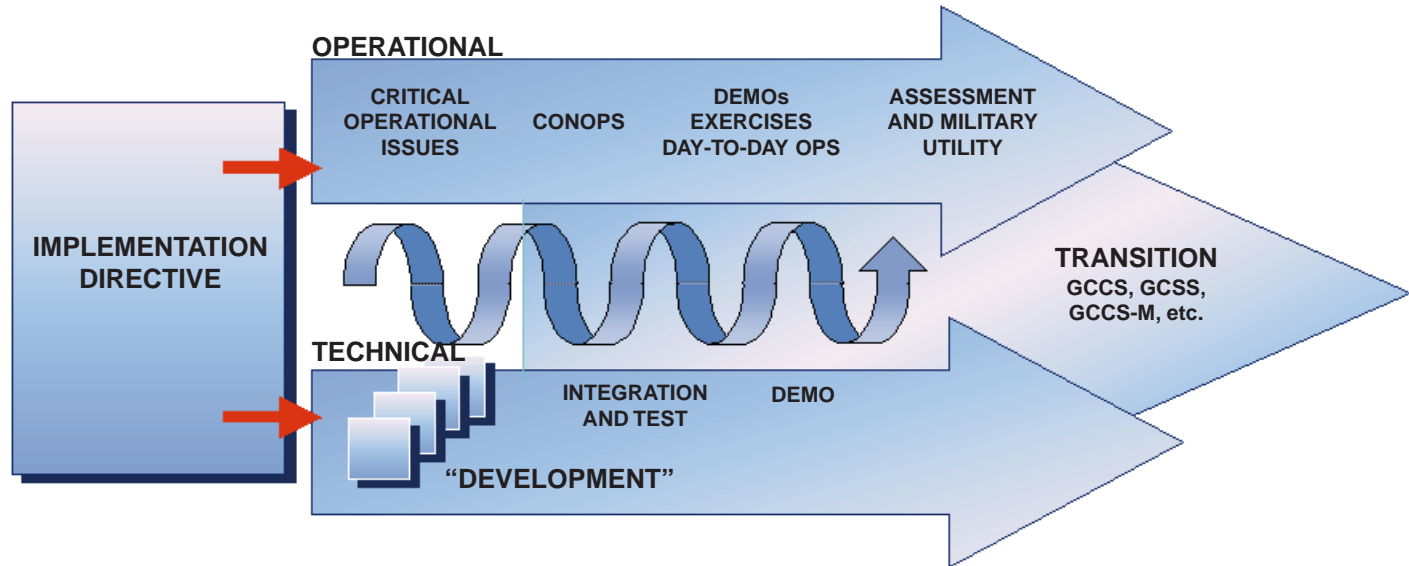
Knowledge Management

From multiple data bases
to one knowledge
environment

Information Enterprise Management



Implementation Strategy



- **Field Technologies for Day-to-Day Operations**
- **Spiral Development with User**
- **Continual Interplay Between Evolving Technology and Tactics, Techniques, and Procedures**
- **Focus from Beginning on Transitioning to Acquisition Programs**

Points of Contact

Technical

(703) 696-4310

Operational

(808) 477-1670

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August 2000

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